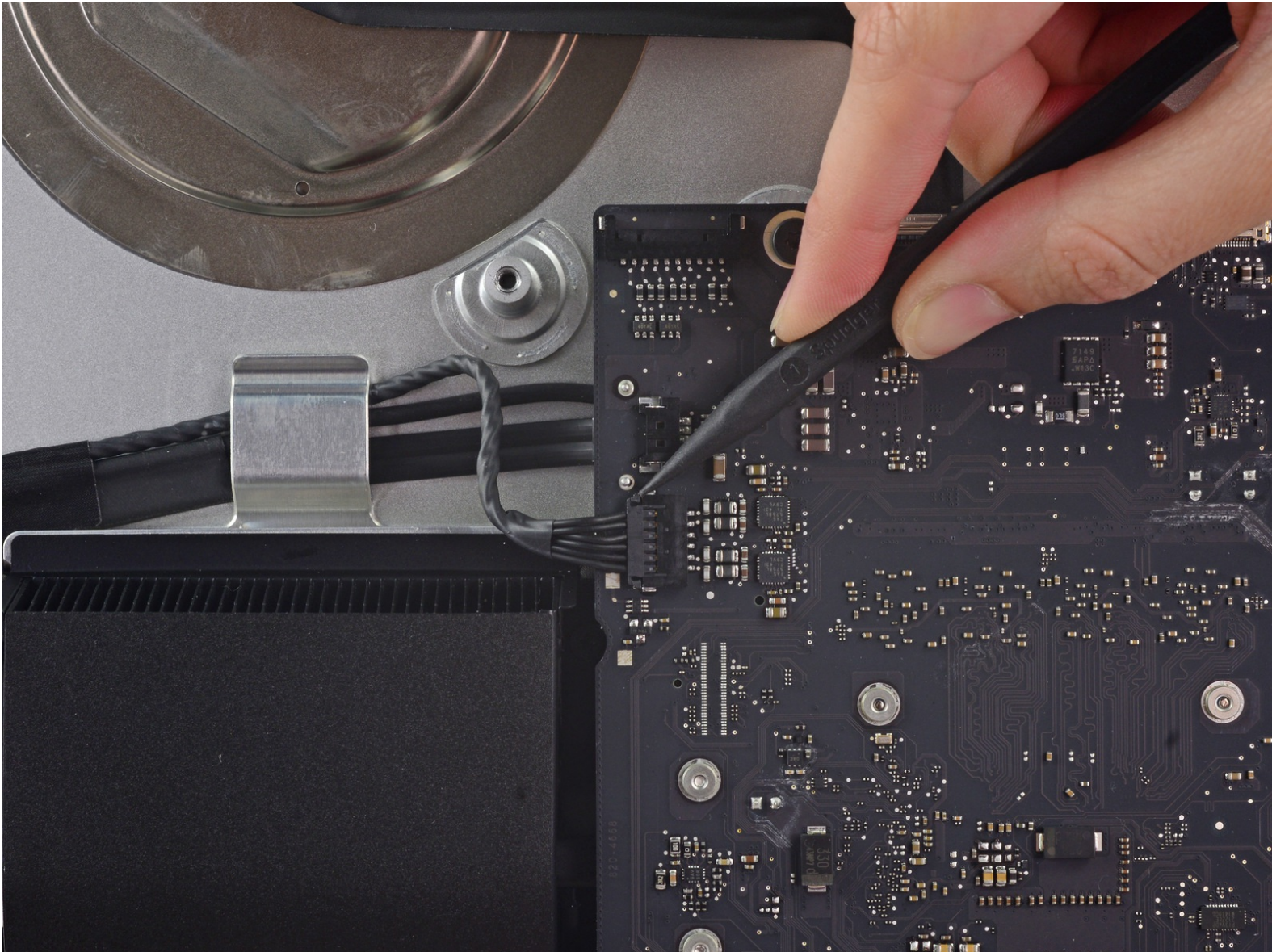




iMac Intel 21.5" EMC 2805 Logic Board Assembly Replacement

Prereq for removing logic board.

Written By: Walter Galan



INTRODUCTION

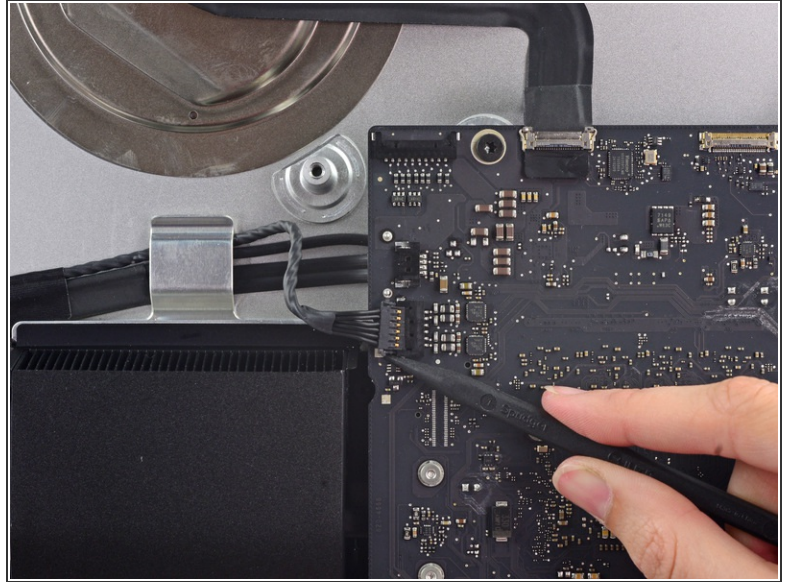
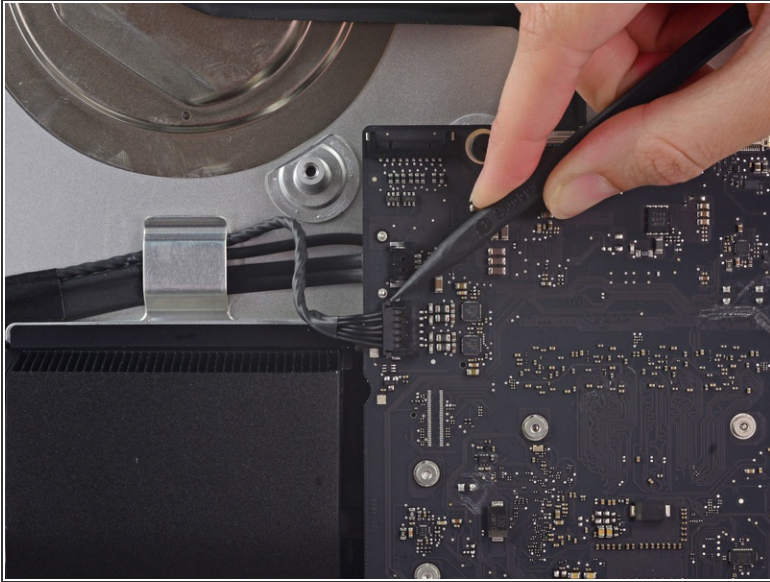
Prereq for removing logic board.



TOOLS:

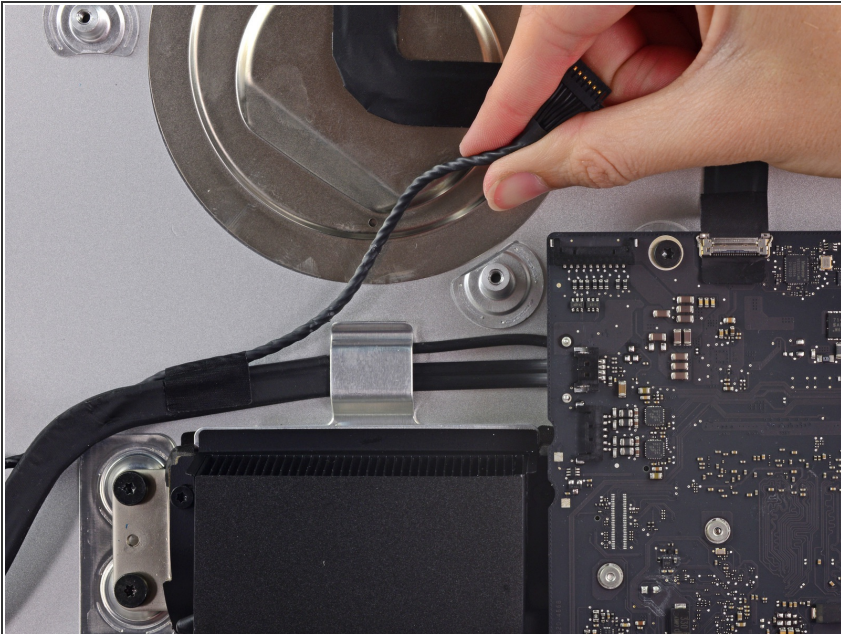
- [Spudger](#) (1)
 - [Tweezers](#) (1)
 - [T8 Torx Screwdriver](#) (1)
 - [T10 Torx Screwdriver](#) (1)
-

Step 1 — Logic Board Assembly



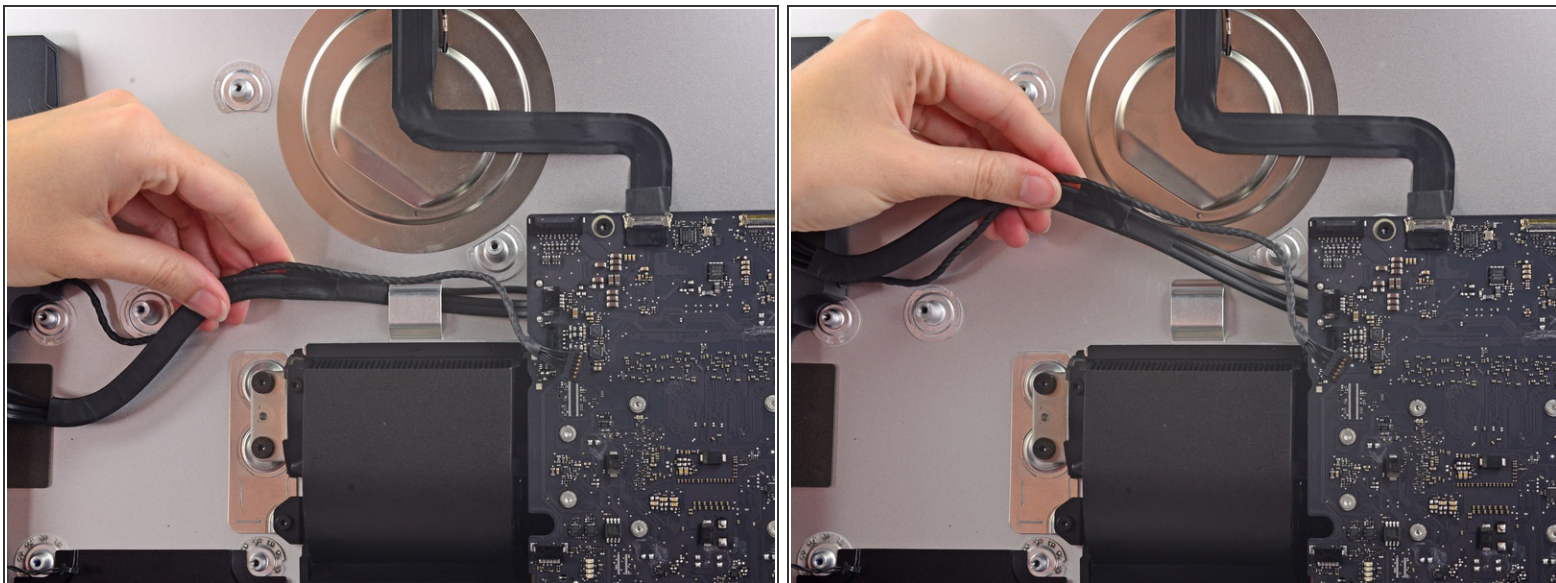
- Use the tip of a spudger to *walk* the left speaker cable connector out of its socket.
- ⓘ It is recommended to first press on one side of the connector, then press on the other side until freed.

Step 2



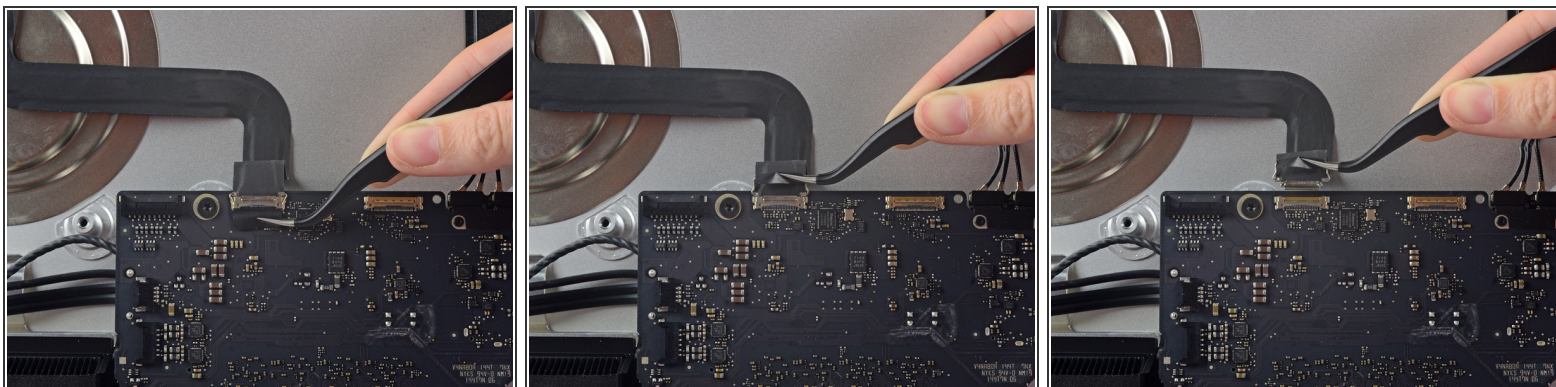
- De-route the left speaker cable by pulling it straight up out of the retaining clip in the back of the rear enclosure.

Step 3



- In a similar fashion as the previous step, de-route the combo SATA data/power cable up out of the retaining clip.

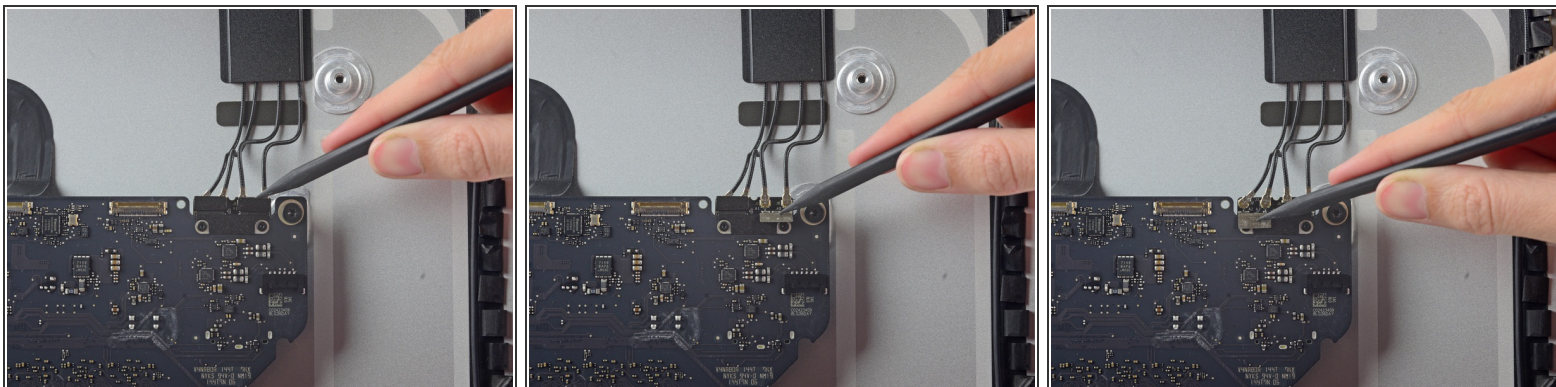
Step 4




- Use a pair of tweezers to flip up the metal retaining bracket on the iSight camera cable connector.
- Pull the iSight camera cable straight out of its socket on the logic board.

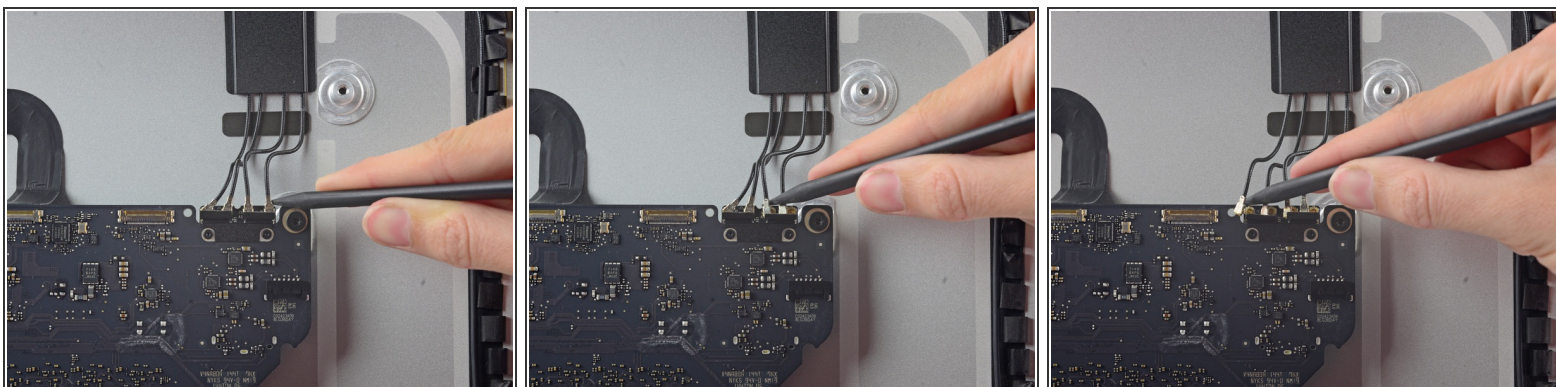
 **This is a delicate connector that can be easily damaged.**


Step 5



-  If necessary, use the tip of a spudger to peel back the tabs covering the antenna connectors.

Step 6



- Use the tip of a spudger to disconnect each of the four antenna connectors from the AirPort/Bluetooth card.
-  Note the original positions for each connector when reconnecting the cables.

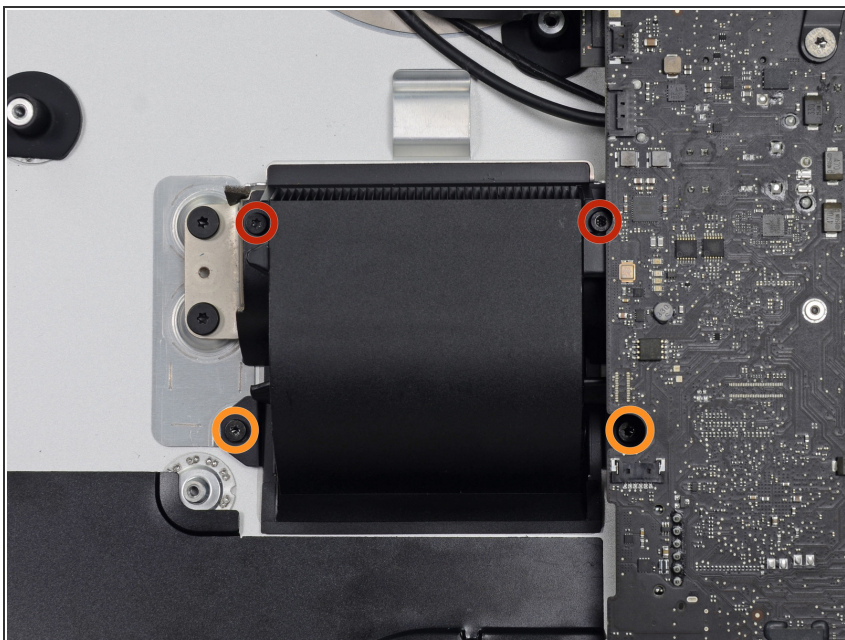
Step 7



- Use the flat edge of a spudger to pry the headphone jack cable connector from its socket on the logic board.

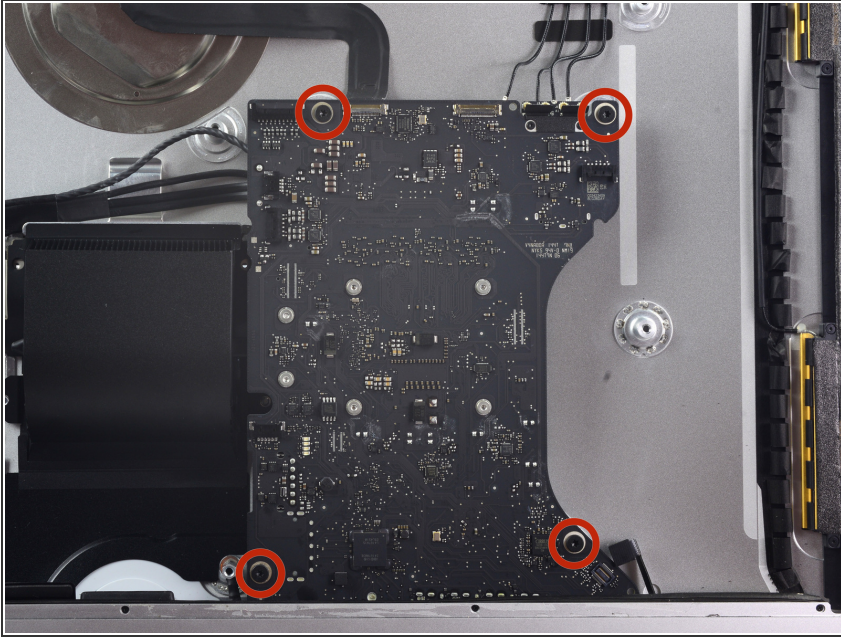
 Push the cable slightly to the right.

Step 8



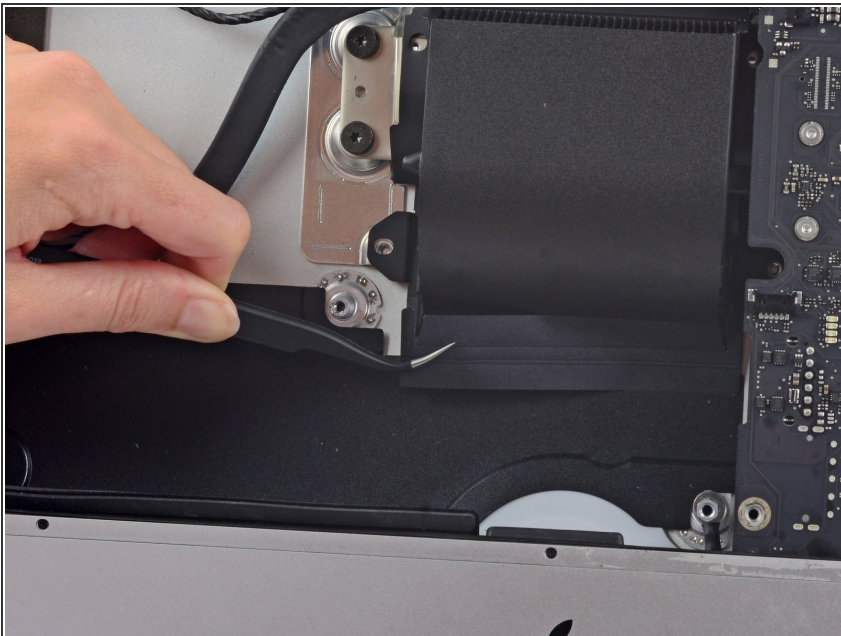
- Remove the following screws securing the exhaust duct to the rear enclosure:
 - Two 6.3 mm T8 screws
 - Two 4.7 mm T8 screws

Step 9



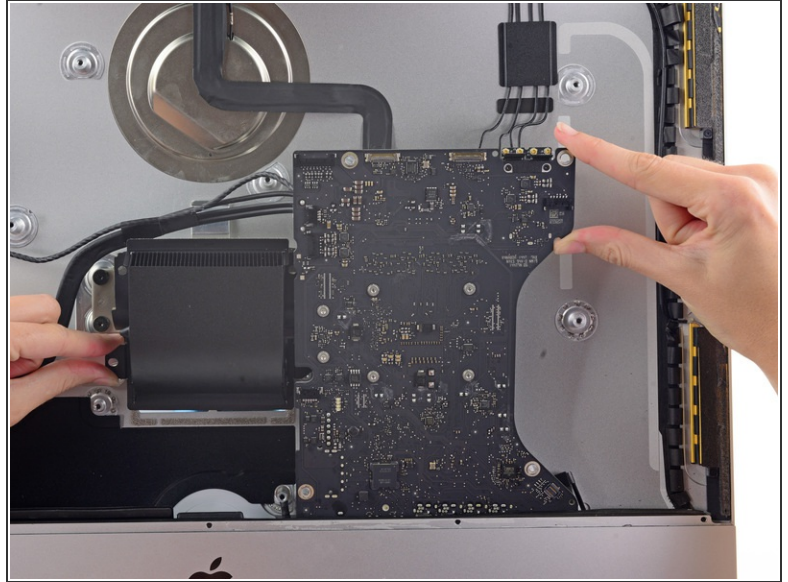
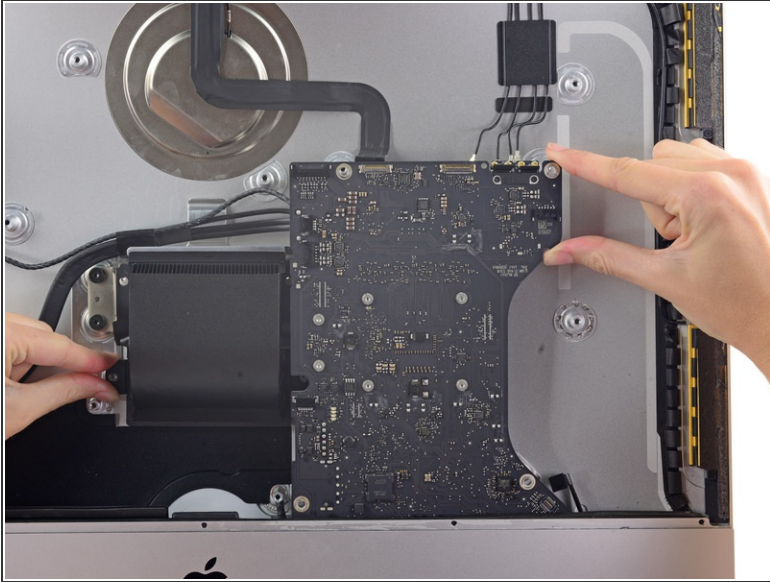
- Remove the four 7.2 mm T10 screws securing the logic board to the rear enclosure.

Step 10



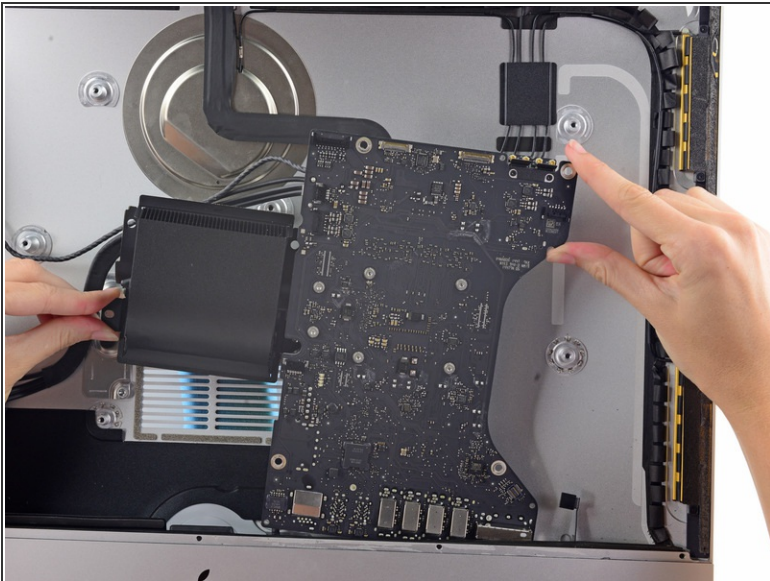
- Use a pair of tweezers to peel the tape covering the exhaust duct.

Step 11





- Tilt the top of the logic board away from the rear enclosure.

Step 12



- Lift the logic board straight up and out of the iMac.

 Be careful not to snag the board on any of the rear case's screw posts.

 The I/O inputs at the bottom of the logic board will be the greatest challenge. It is recommended to pull gently to avoid any damage.

To reassemble your device, follow these instructions in reverse order.

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